

Waveform Trigger Source Long at February 25, 2025 11:56:32
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM7450
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration June 28, 2024 by Instantel
Event File Name UM7450_20250225115632.IDFW
USB Sensor Support Disabled

Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

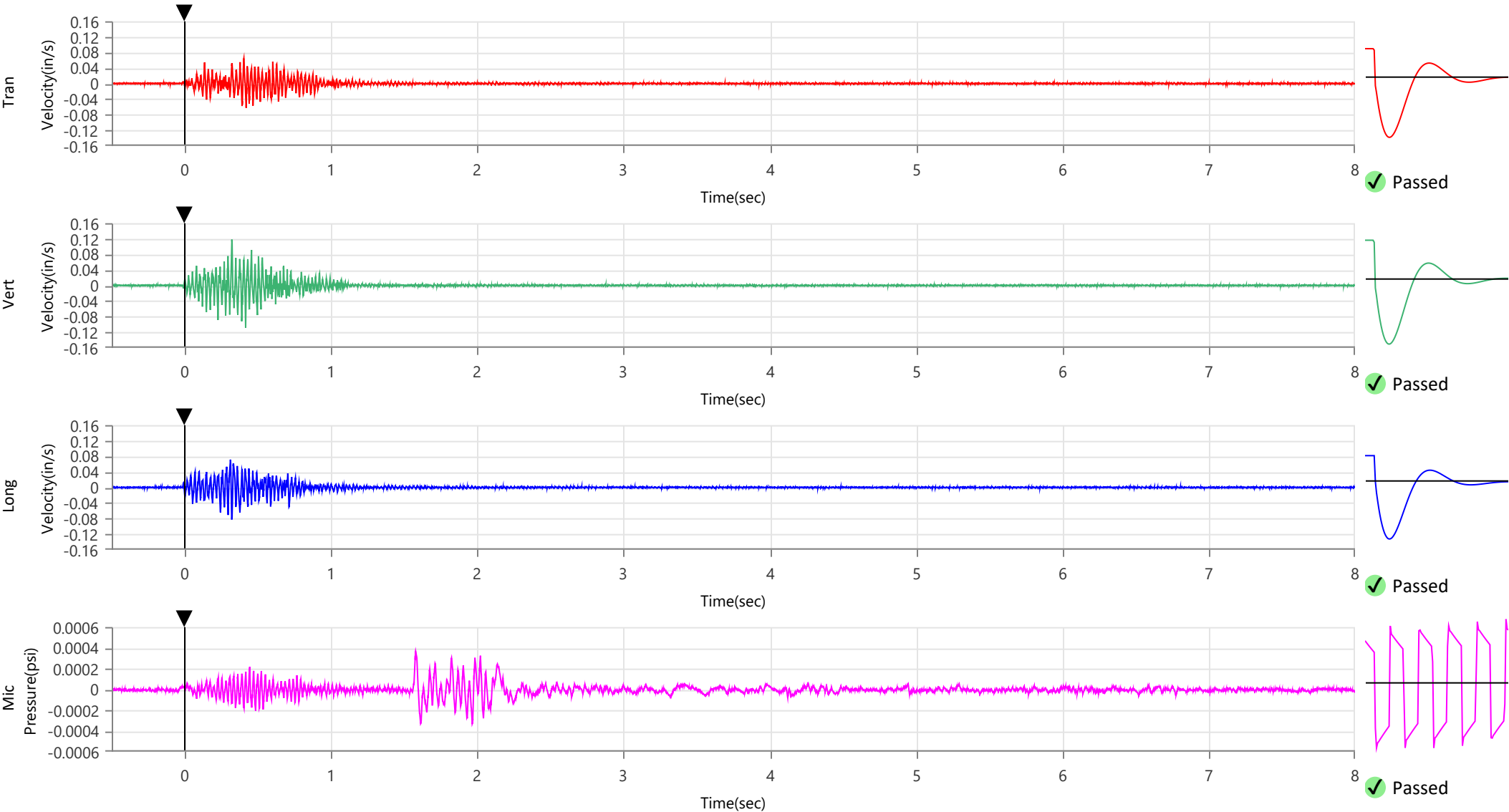
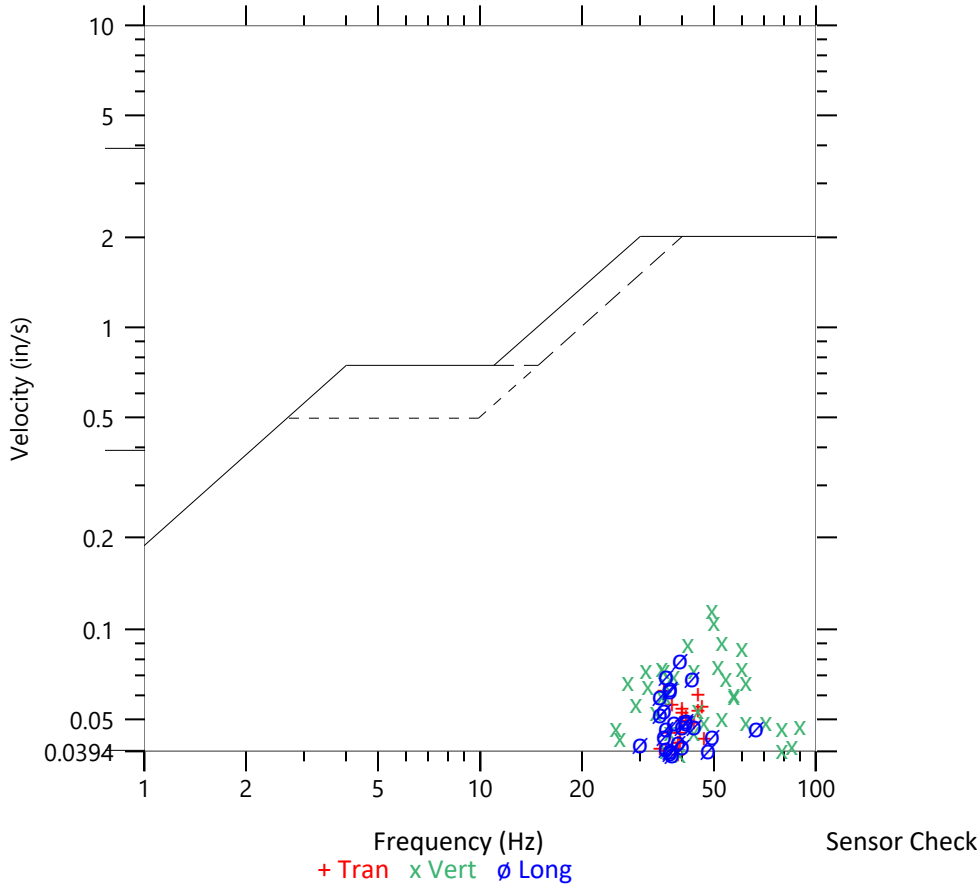
Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity 0.0645 in/s
Zero Crossing Frequency 35.3 Hz
Time (Relative to Trigger) 0.404 sec
Peak Acceleration 0.063 g
Peak Displacement 0.000 in
Sensor Check ✓ Passed
Frequency 7.3 Hz
Overswing Ratio 4.2

Peak Vector Sum 0.1510 in/s at 0.322 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000367 psi
Peak Sound Pressure Level 102.0 dB(L)
Time (Relative to Trigger) 1.579 sec
Zero Crossing Frequency 14.8 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1517 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



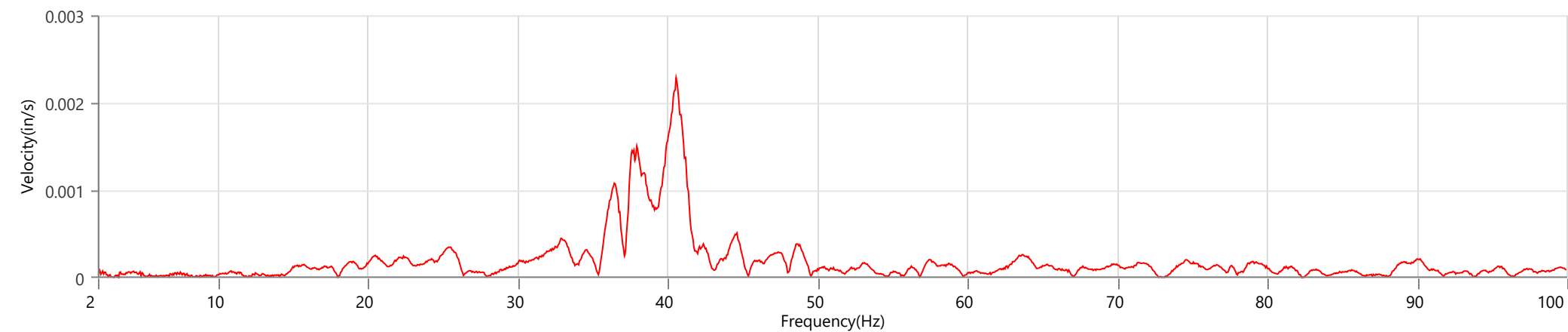
Waveform Trigger Source Long at February 25, 2025 11:56:32
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM7450
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration June 28, 2024 by Instantel
Event File Name UM7450_20250225115632.IDFW
USB Sensor Support Disabled

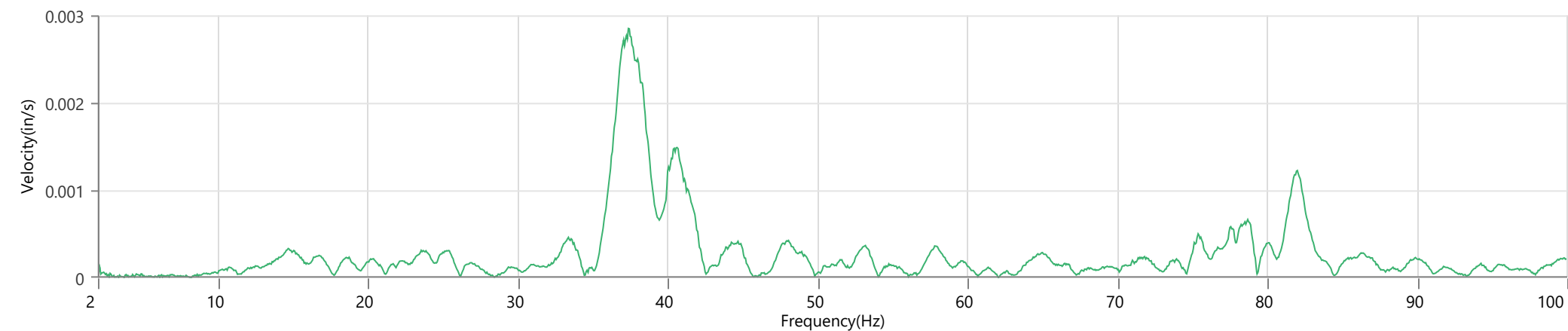
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

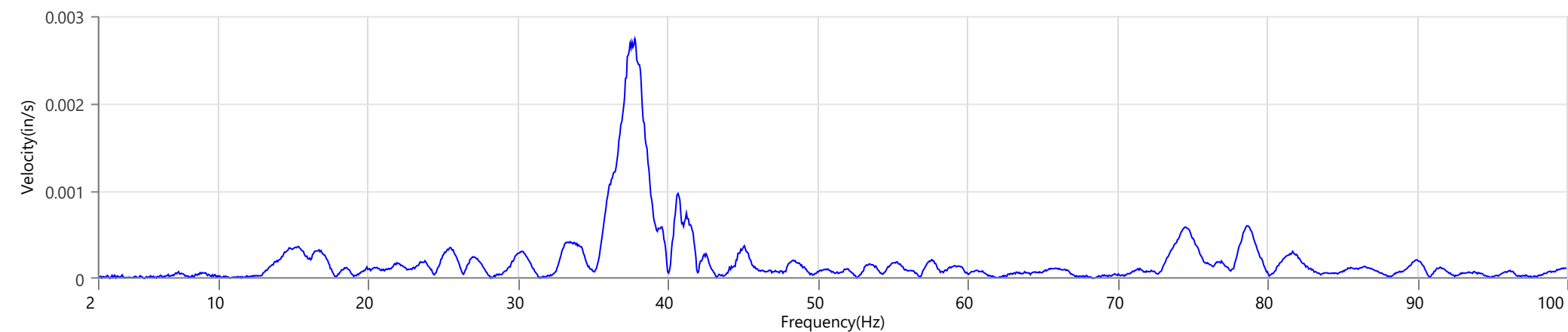
Tran - Dominant Frequency 40.6 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.0645 in/s)



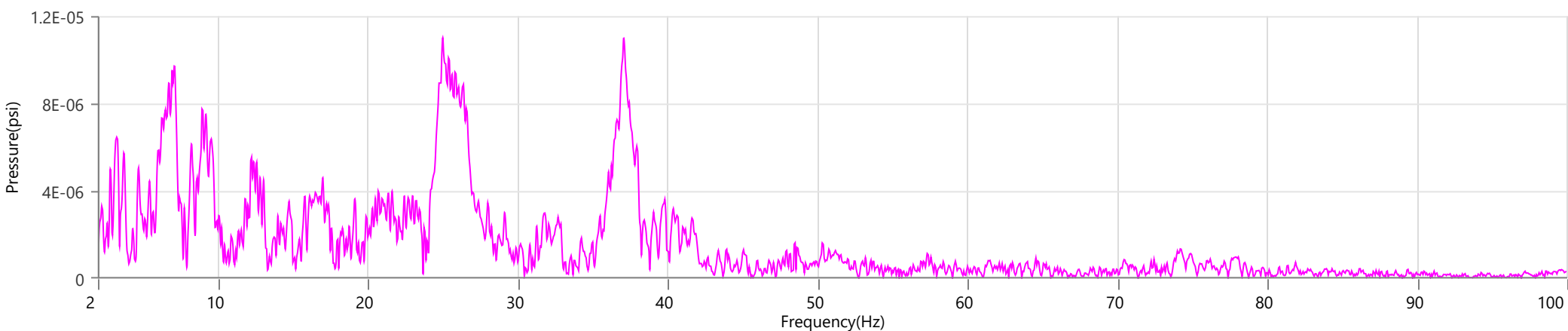
Vert - Dominant Frequency 37.4 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.1179 in/s)



Long - Dominant Frequency 37.8 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.0813 in/s)



Mic - Dominant Frequency 25.0 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000367 psi)



Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 3.mmb
Operator Operator

Serial Number UM18138
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM18138_20250225115633.IDFW
USB Sensor Support Disabled

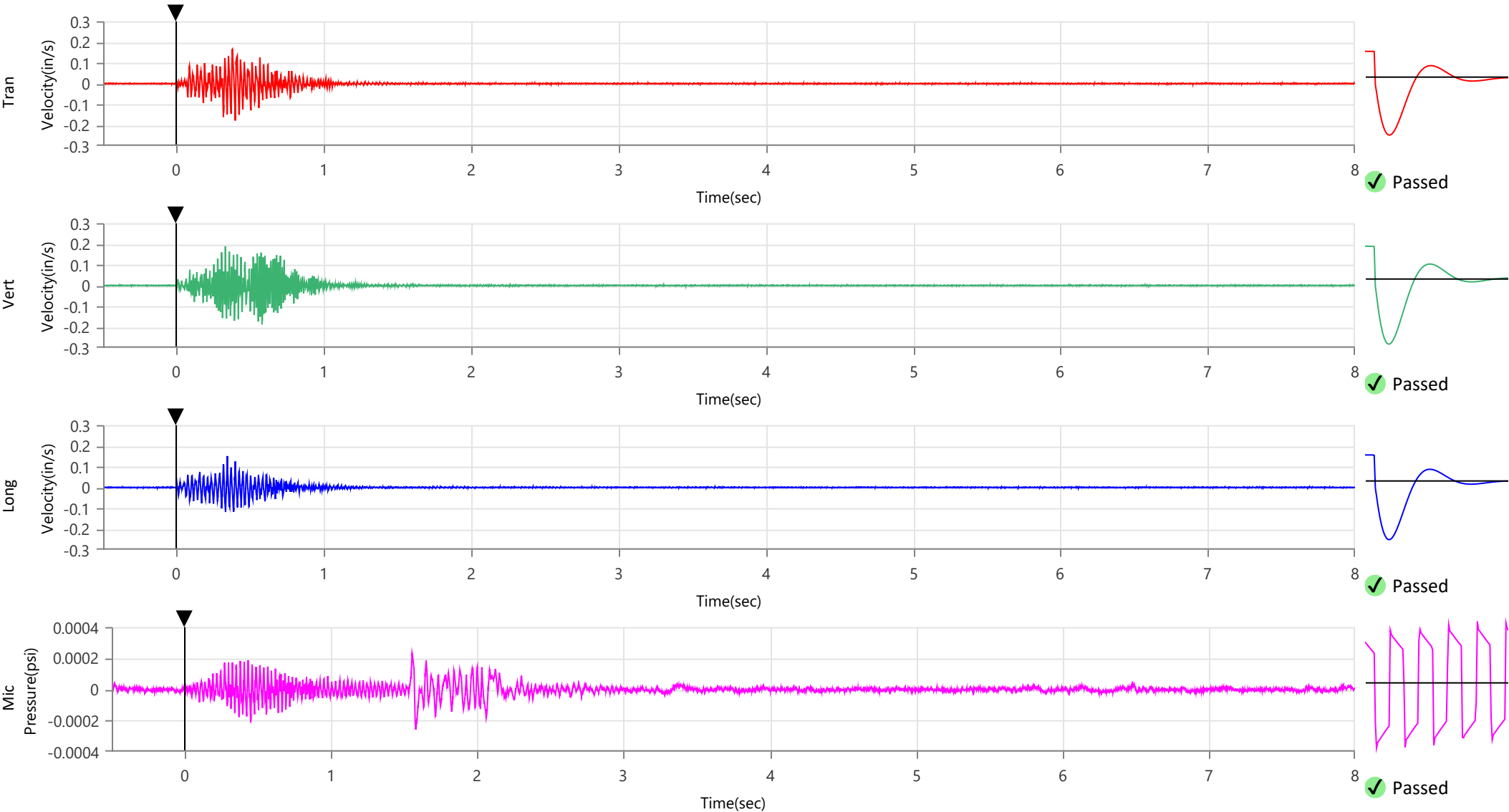
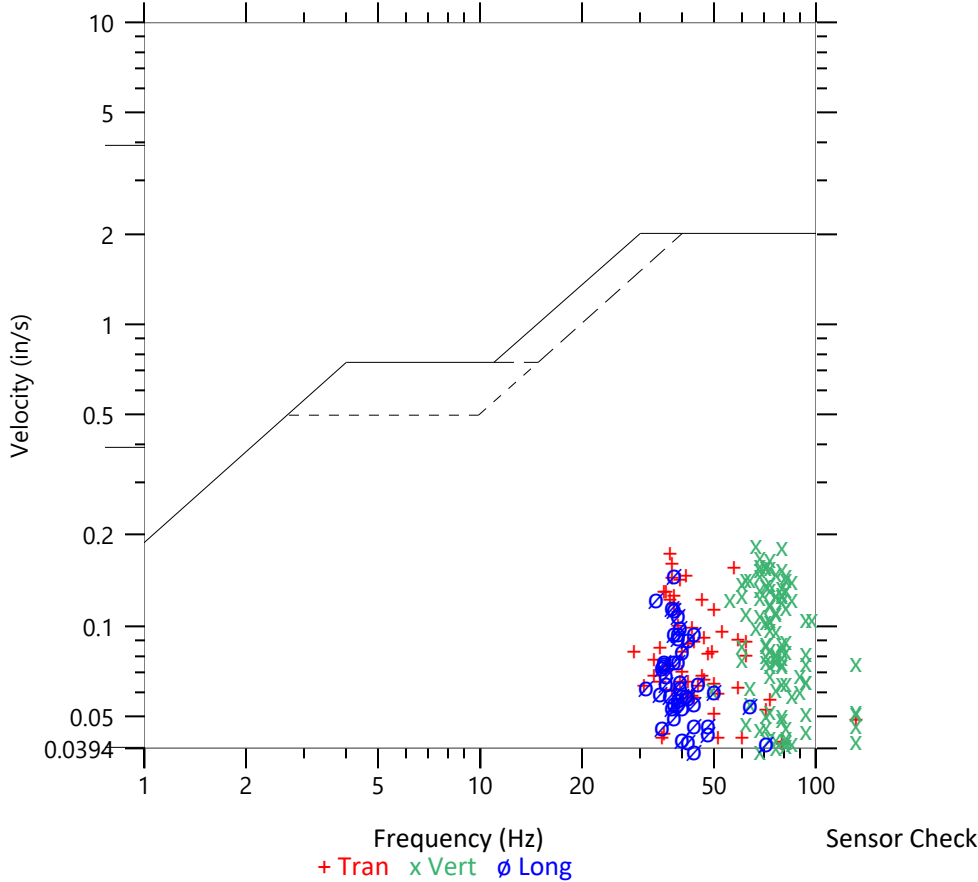
Notes
Location Station 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1781 in/s	0.1890 in/s	0.1511 in/s
Zero Crossing Frequency	36.6 Hz	66.1 Hz	37.9 Hz
Time (Relative to Trigger)	0.397 sec	0.331 sec	0.344 sec
Peak Acceleration	0.181 g	0.253 g	0.128 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	5.0	4.3	5.0
Peak Vector Sum	0.2288 in/s at 0.331 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000259 psi
Peak Sound Pressure Level 99.0 dB(L)
Time (Relative to Trigger) 1.579 sec
Zero Crossing Frequency 15.2 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1466 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



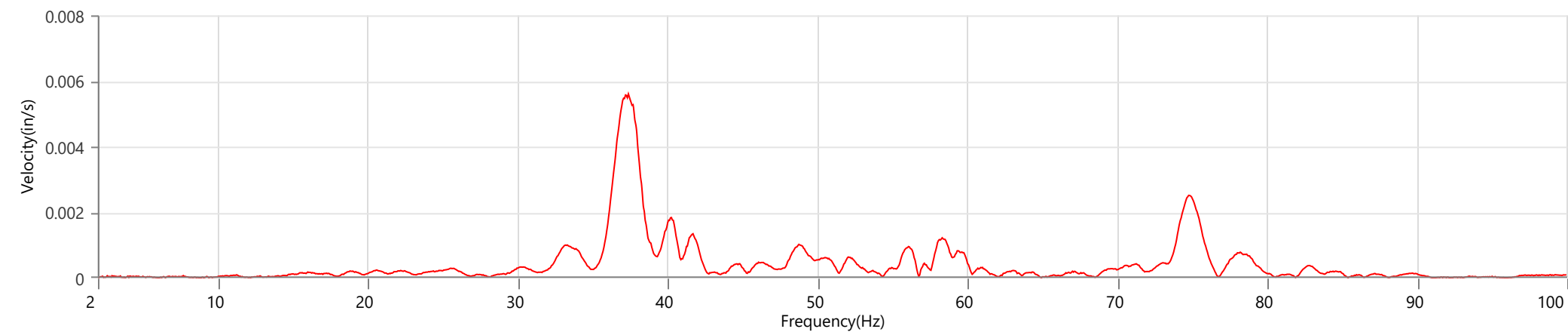
Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 3.mmb
Operator Operator

Serial Number UM18138
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM18138_20250225115633.IDFW
USB Sensor Support Disabled

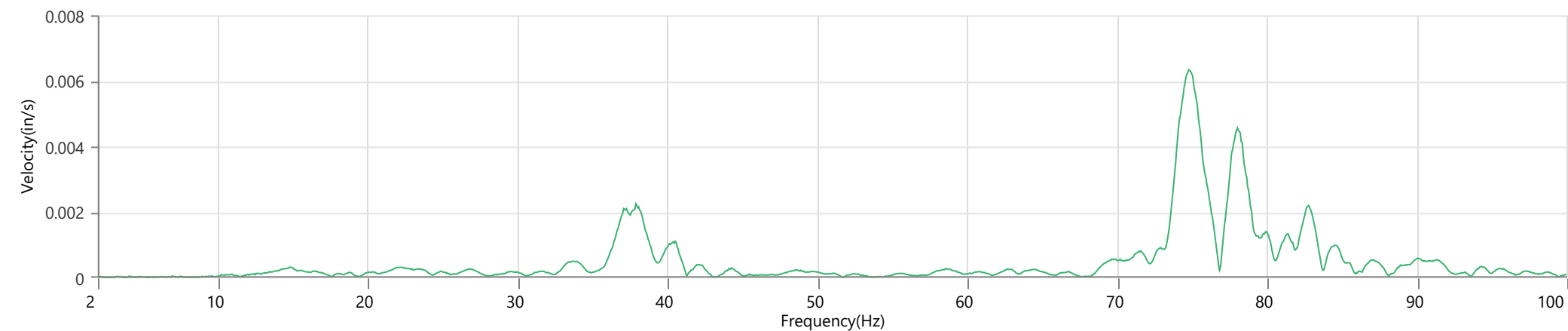
Notes
Location Station 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

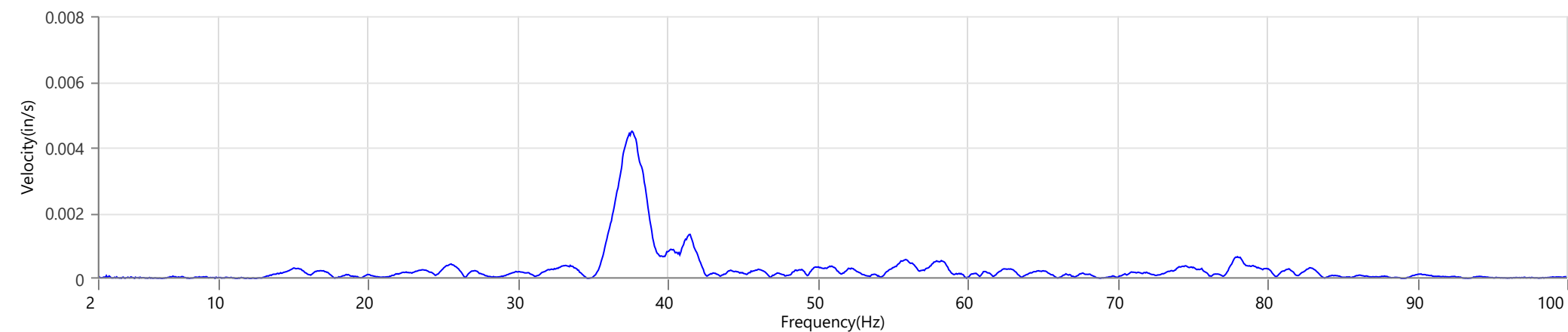
Tran - Dominant Frequency 37.4 Hz, Amplitude 0.0056 in/s (Peak Particle Velocity: 0.1781 in/s)



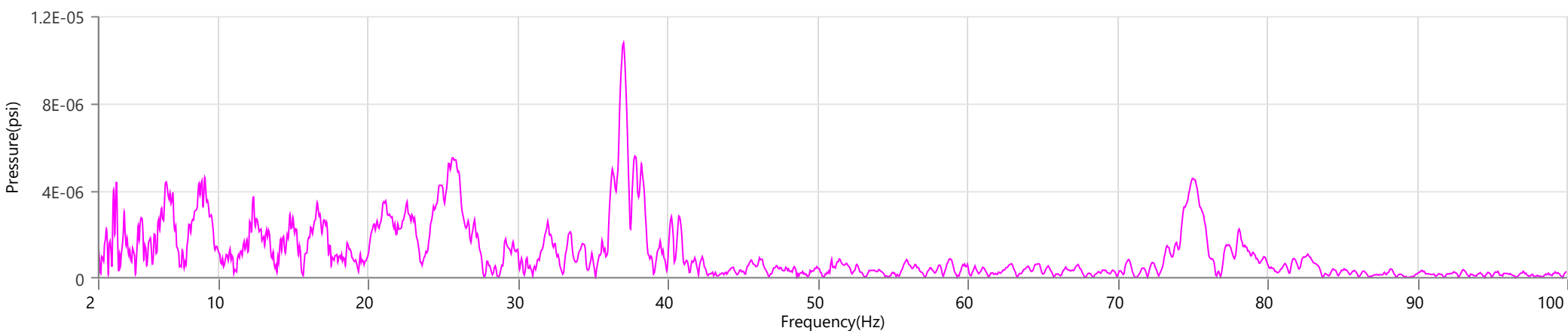
Vert - Dominant Frequency 74.8 Hz, Amplitude 0.0063 in/s (Peak Particle Velocity: 0.1890 in/s)



Long - Dominant Frequency 37.6 Hz, Amplitude 0.0045 in/s (Peak Particle Velocity: 0.1511 in/s)



Mic - Dominant Frequency 37.1 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000259 psi)



Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 4.mmb
Operator Operator

Serial Number UM8723
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM8723_20250225115633.IDFW
USB Sensor Support Disabled

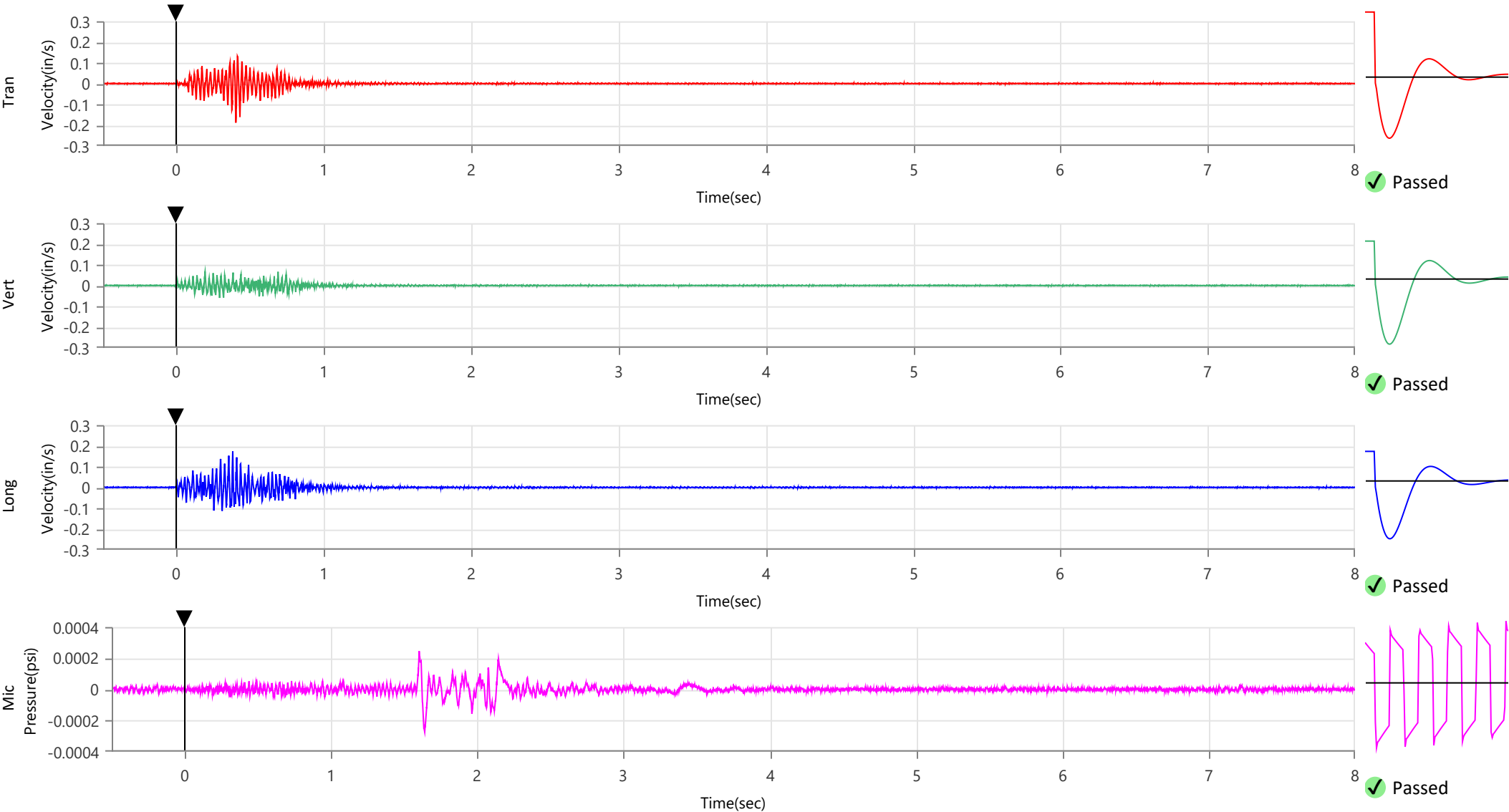
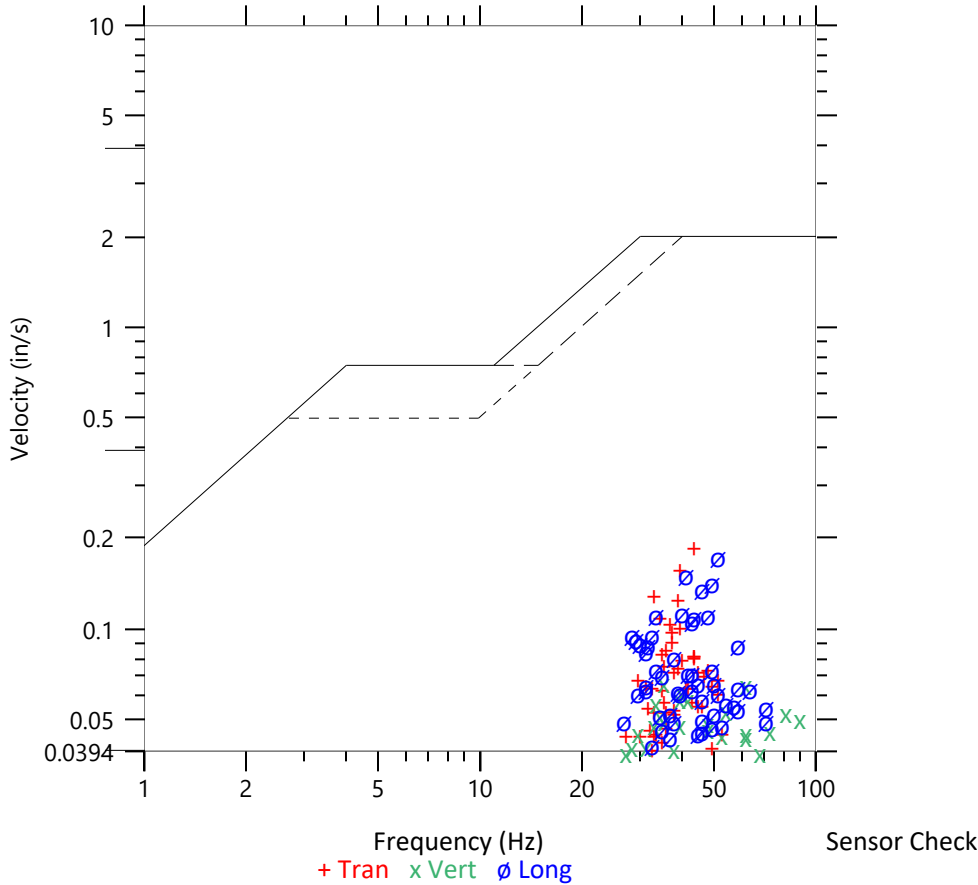
Notes
Location Station 4
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1884 in/s	0.0667 in/s	0.1747 in/s
Zero Crossing Frequency	43.6 Hz	35.3 Hz	51.2 Hz
Time (Relative to Trigger)	0.401 sec	0.193 sec	0.381 sec
Peak Acceleration	0.122 g	0.092 g	0.142 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.3	3.5	3.9
Peak Vector Sum	0.1981 in/s at 0.401 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000275 psi
Peak Sound Pressure Level 99.5 dB(L)
Time (Relative to Trigger) 1.640 sec
Zero Crossing Frequency 12.7 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1485 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



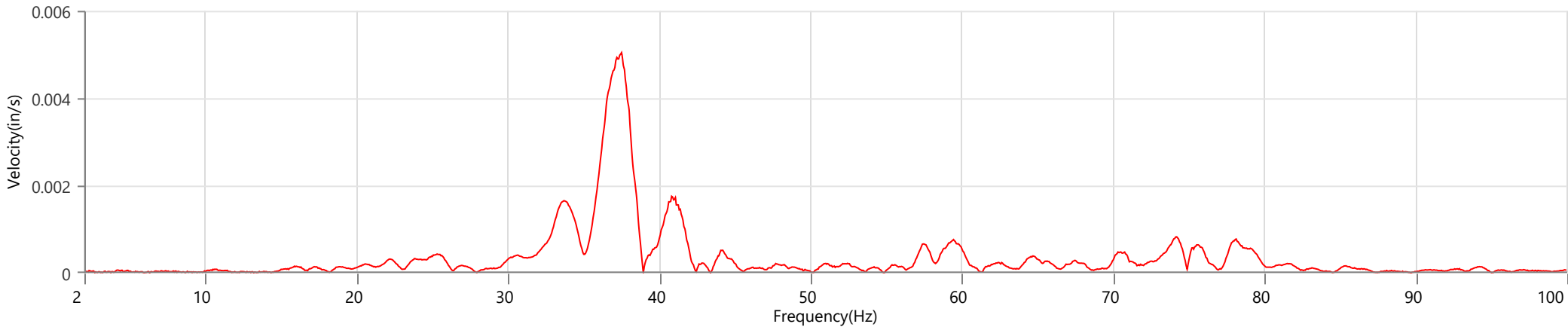
Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 4.mmb
Operator Operator

Serial Number UM8723
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM8723_20250225115633.IDFW
USB Sensor Support Disabled

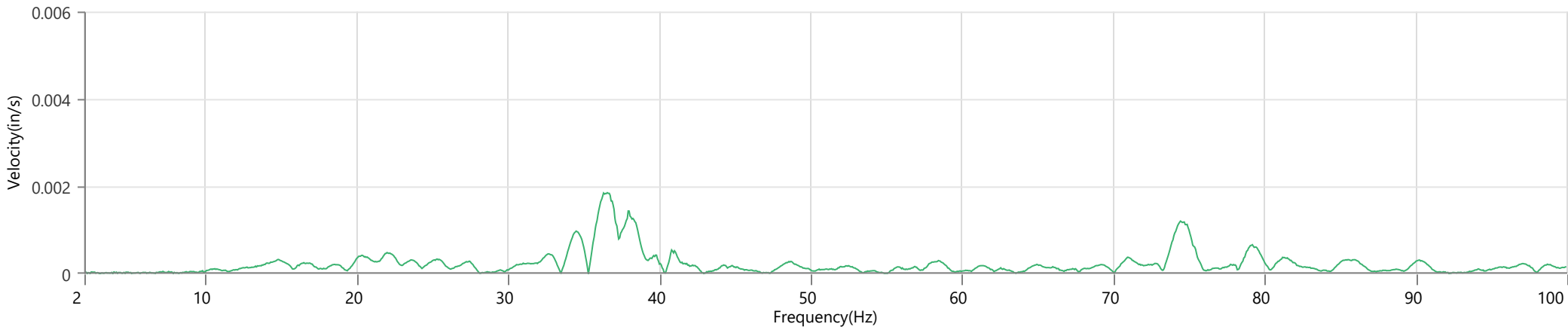
Notes
Location Station 4
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

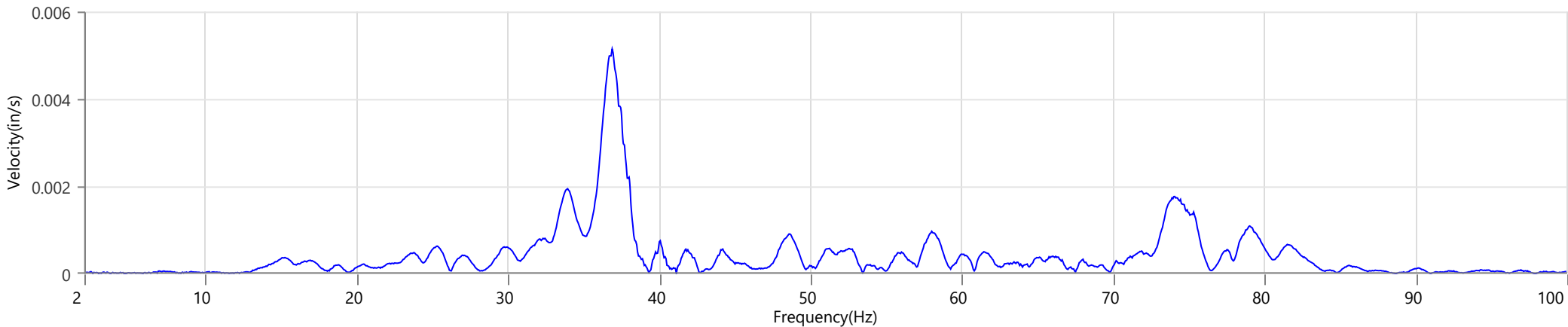
Tran - Dominant Frequency 37.5 Hz, Amplitude 0.0050 in/s (Peak Particle Velocity: 0.1884 in/s)



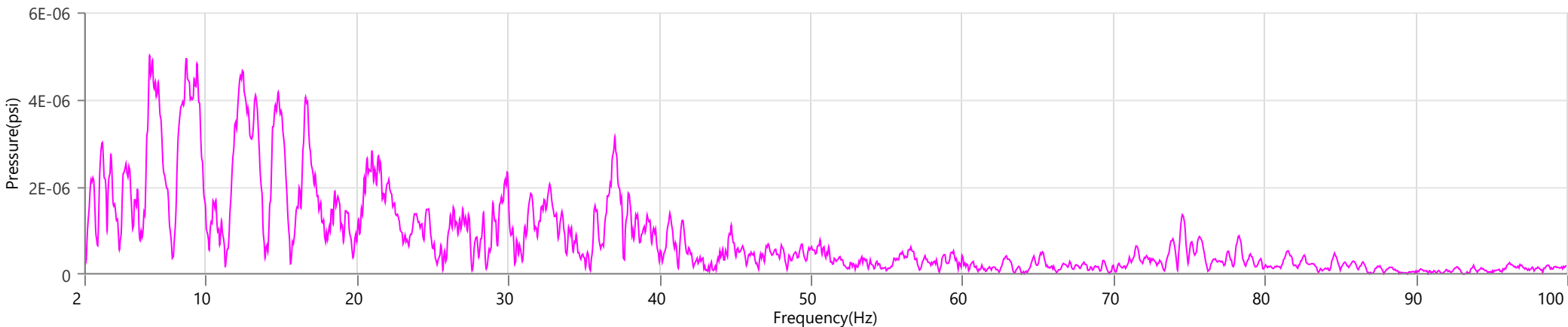
Vert - Dominant Frequency 36.6 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.0667 in/s)



Long - Dominant Frequency 36.9 Hz, Amplitude 0.0051 in/s (Peak Particle Velocity: 0.1747 in/s)



Mic - Dominant Frequency 6.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000275 psi)



Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

Serial Number UM19910
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 22, 2024 by Instantel
Event File Name UM19910_20250225115633.IDFW
USB Sensor Support Disabled

Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

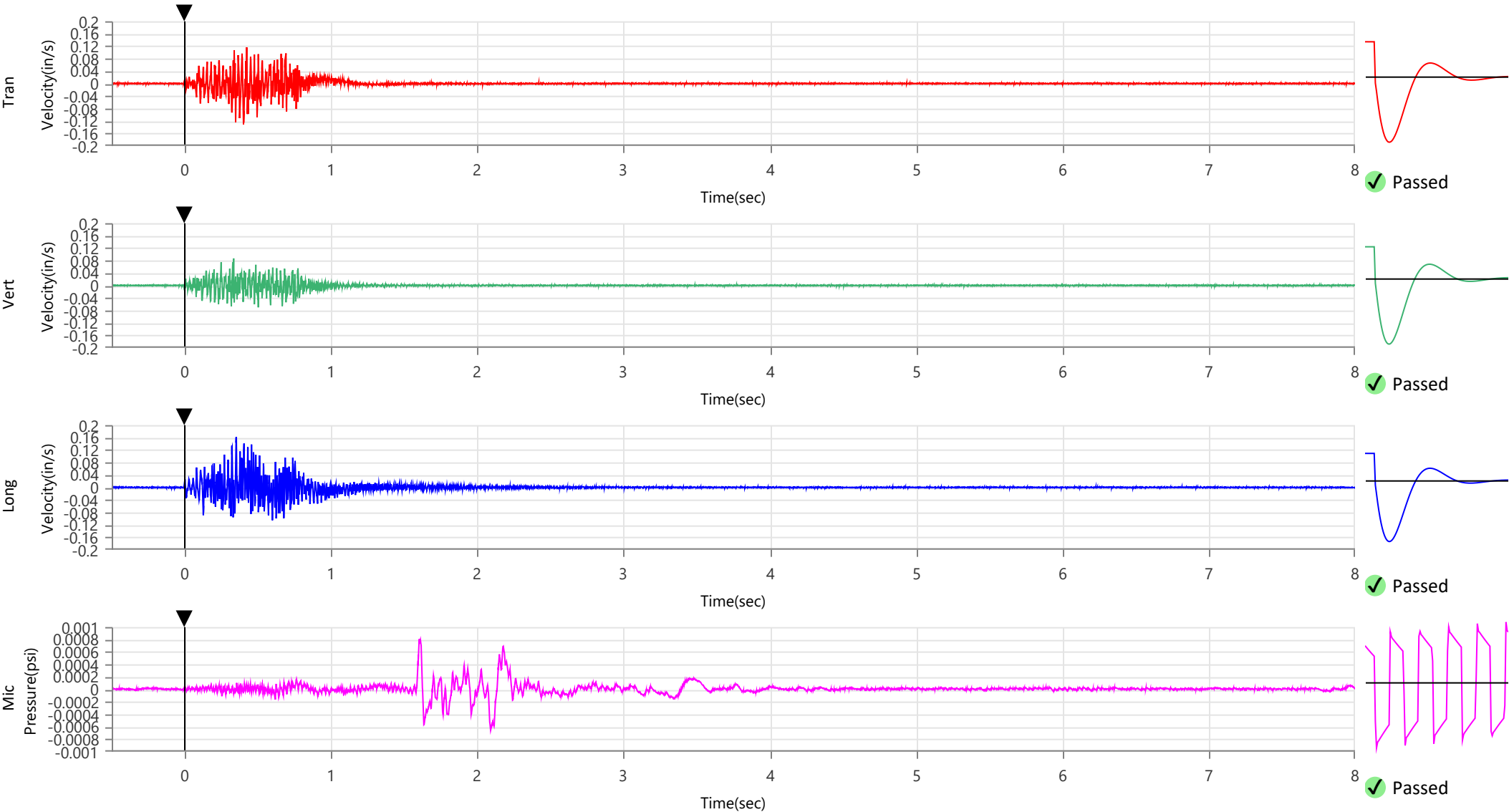
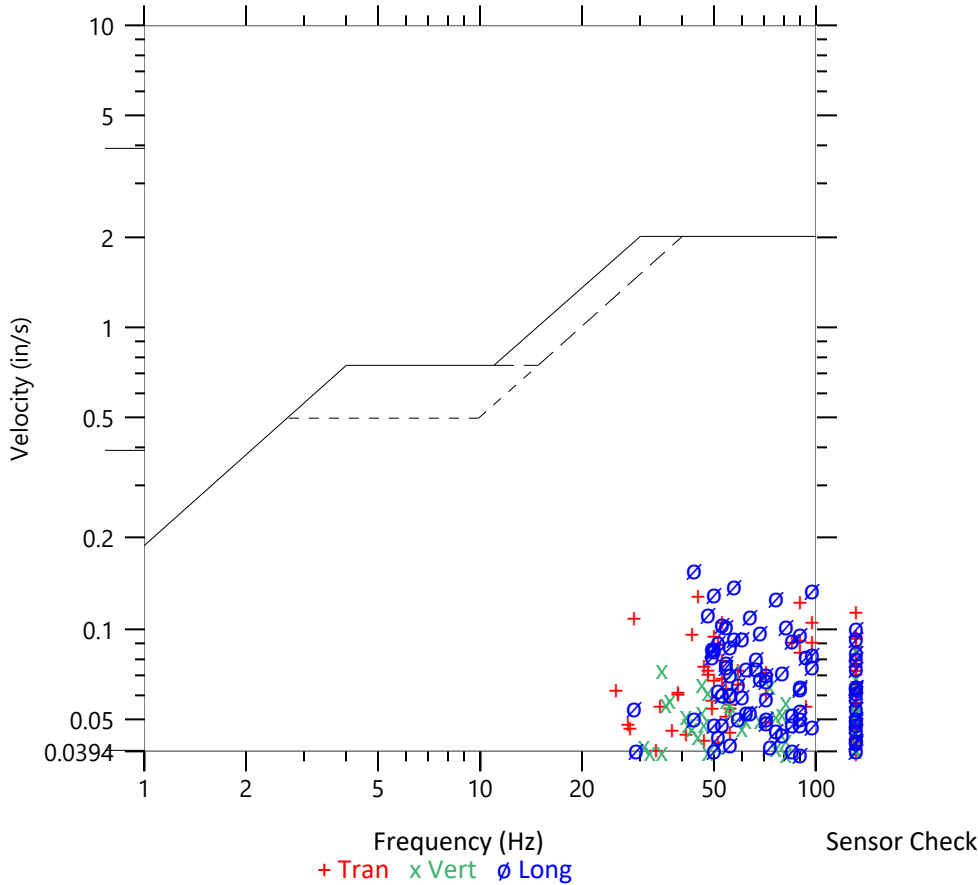
Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1309 in/s	0.0869 in/s	0.1614 in/s
Zero Crossing Frequency	44.5 Hz	>100 Hz	43.6 Hz
Time (Relative to Trigger)	0.402 sec	0.334 sec	0.352 sec
Peak Acceleration	0.217 g	0.155 g	0.217 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.1 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.6	4.3	4.7

Peak Vector Sum 0.1629 in/s at 0.322 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000806 psi
Peak Sound Pressure Level 108.9 dB(L)
Time (Relative to Trigger) 1.602 sec
Zero Crossing Frequency 12.3 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1528 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



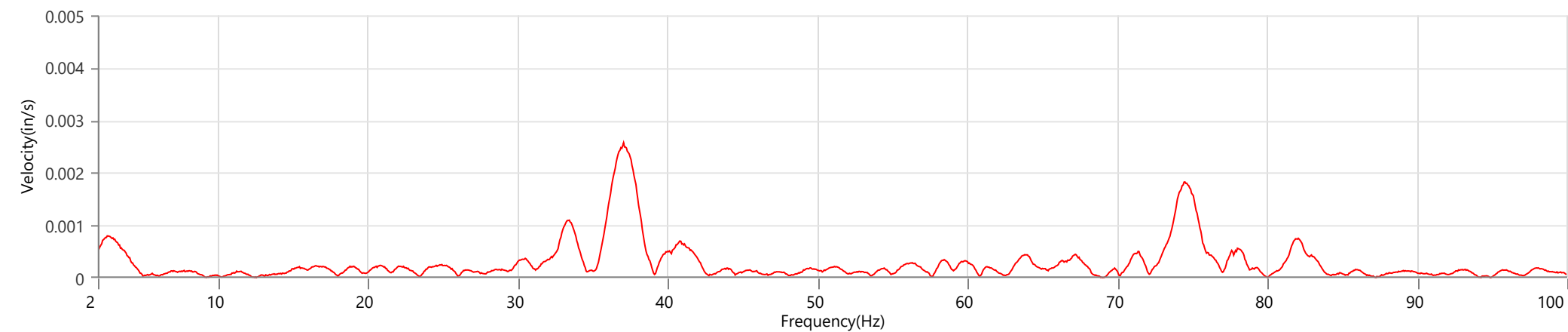
Waveform Trigger Source Long at February 25, 2025 11:56:33
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

Serial Number UM19910
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 22, 2024 by Instantel
Event File Name UM19910_20250225115633.IDFW
USB Sensor Support Disabled

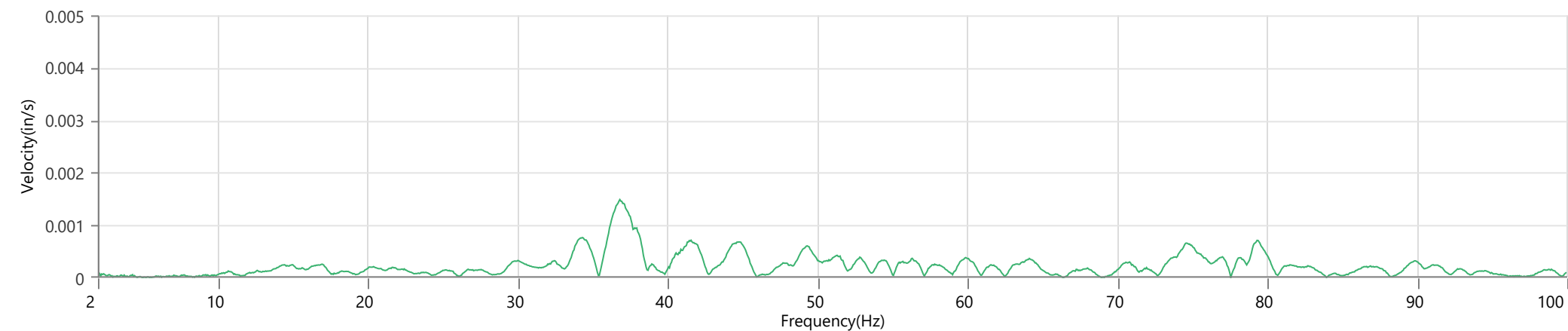
Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

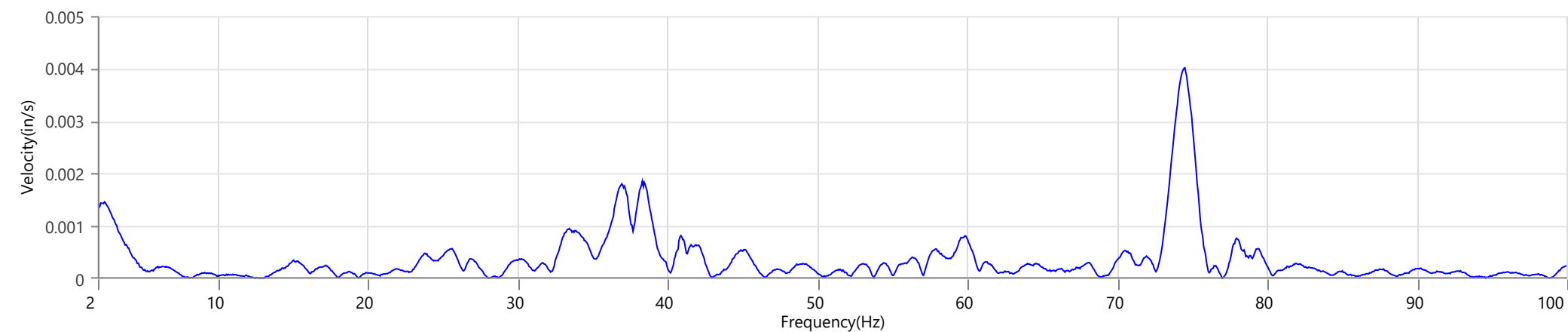
Tran - Dominant Frequency 37.1 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1309 in/s)



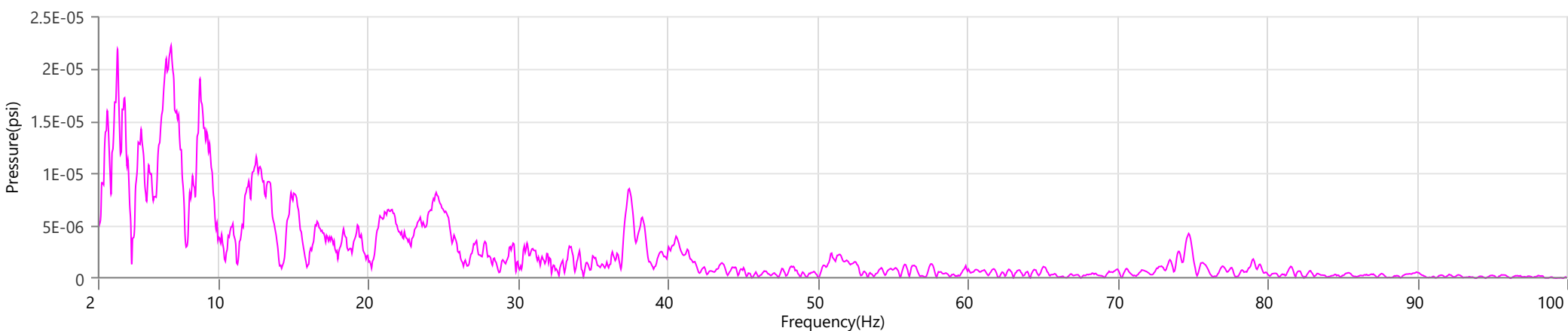
Vert - Dominant Frequency 36.8 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0869 in/s)



Long - Dominant Frequency 74.5 Hz, Amplitude 0.0040 in/s (Peak Particle Velocity: 0.1614 in/s)



Mic - Dominant Frequency 6.9 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000806 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at February 25, 2025 11:56:34
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 6.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM11400
Micromate ISEE 11.0AK
3.8 volts
May 21, 2024 by Instantel
UM11400_20250225115634.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 6
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

Tran
0.2892 in/s
70.6 Hz
0.584 sec
0.323 g
0.001 in
✓ Passed
7.5 Hz
3.9

Vert
0.2116 in/s
78.8 Hz
0.330 sec
0.293 g
0.001 in
✓ Passed
7.7 Hz
3.7

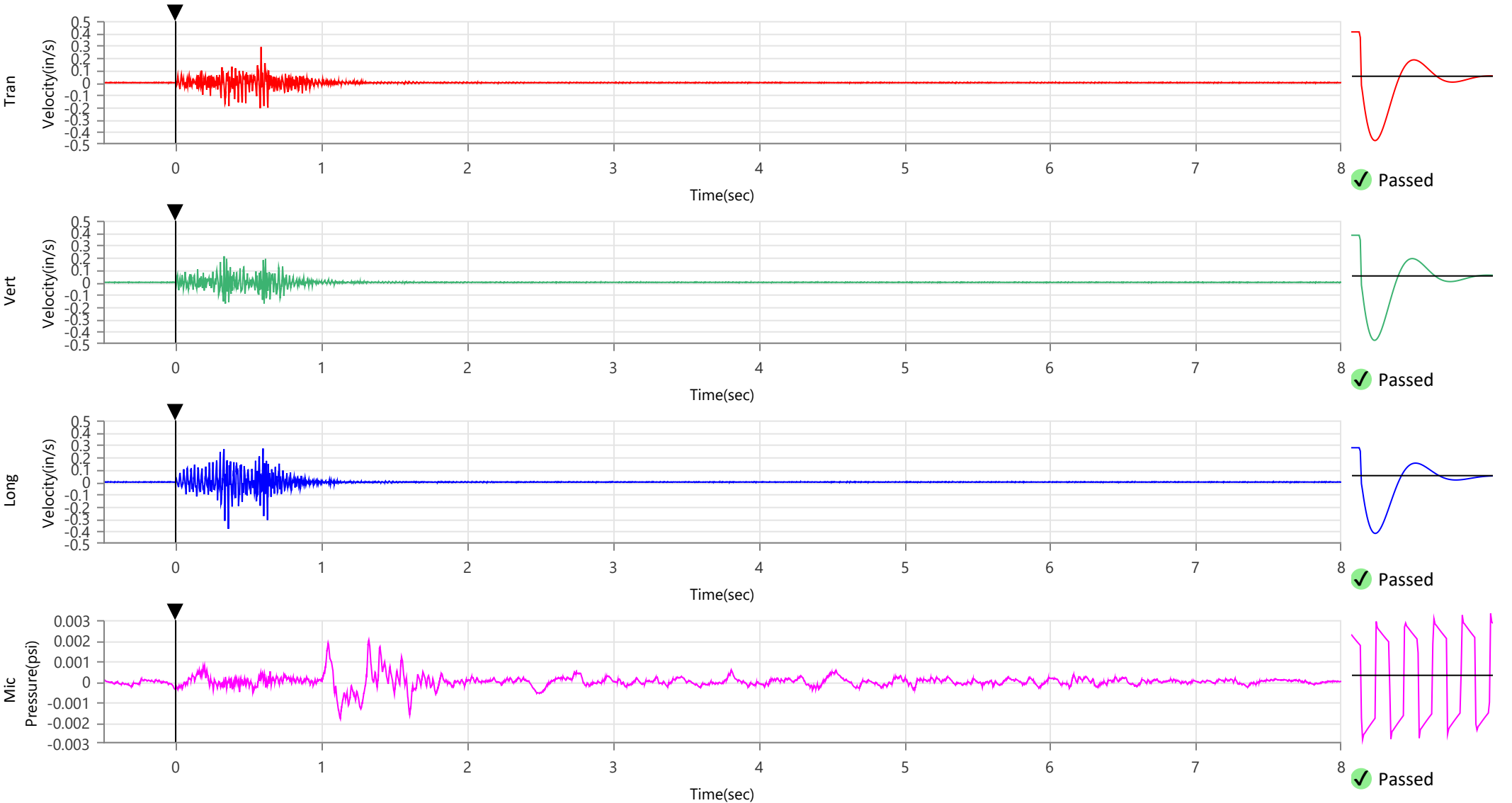
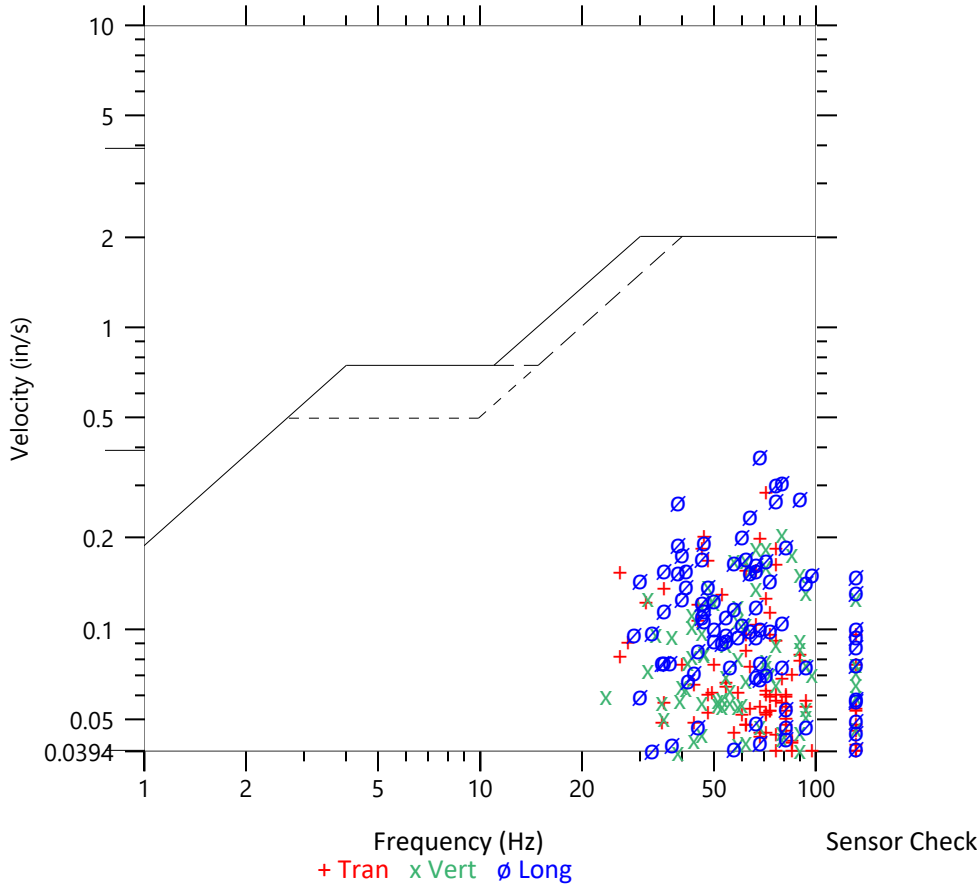
Long
0.3801 in/s
68.3 Hz
0.359 sec
0.451 g
0.001 in
✓ Passed
7.1 Hz
4.6

Peak Vector Sum
0.3896 in/s at 0.359 sec

ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Frequency
Test Amplitude

0.002032 psi
116.9 dB(L)
1.323 sec
10.8 Hz
✓ Passed
20.5 Hz
1509 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



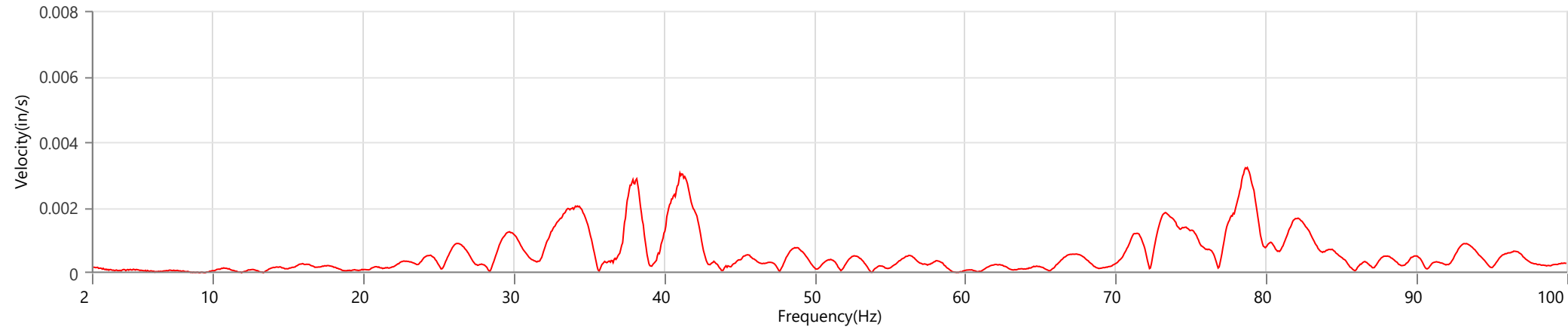
Waveform Trigger Source Vert at February 25, 2025 11:56:34
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

Serial Number UM11400
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Event File Name UM11400_20250225115634.IDFW
USB Sensor Support Disabled

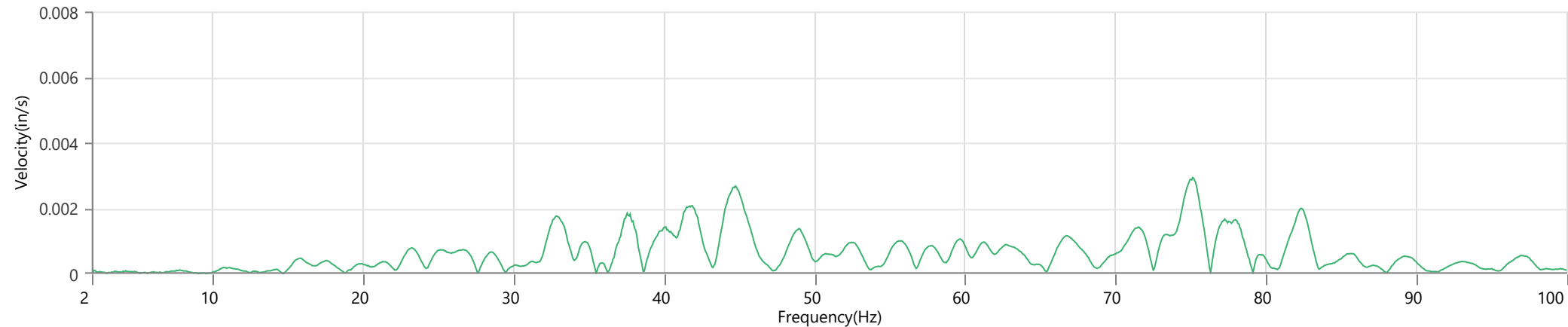
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

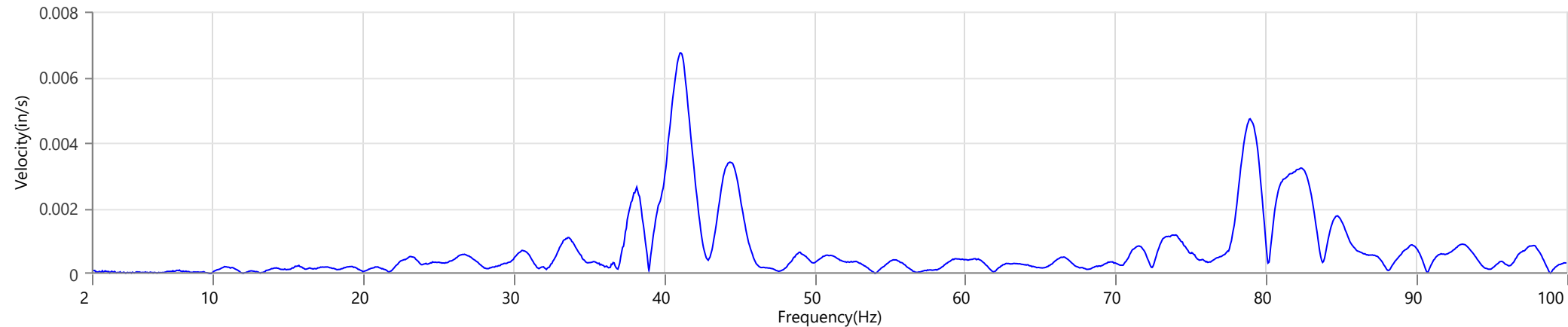
Tran - Dominant Frequency 78.8 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.2892 in/s)



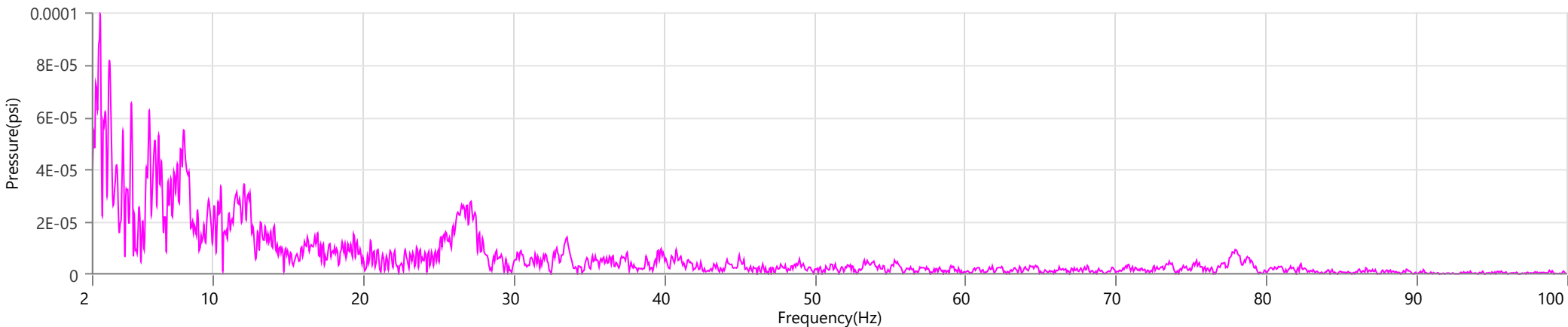
Vert - Dominant Frequency 75.1 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.2116 in/s)



Long - Dominant Frequency 41.1 Hz, Amplitude 0.0067 in/s (Peak Particle Velocity: 0.3801 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00010 psi (Peak Sound Pressure Level: 0.002032 psi)



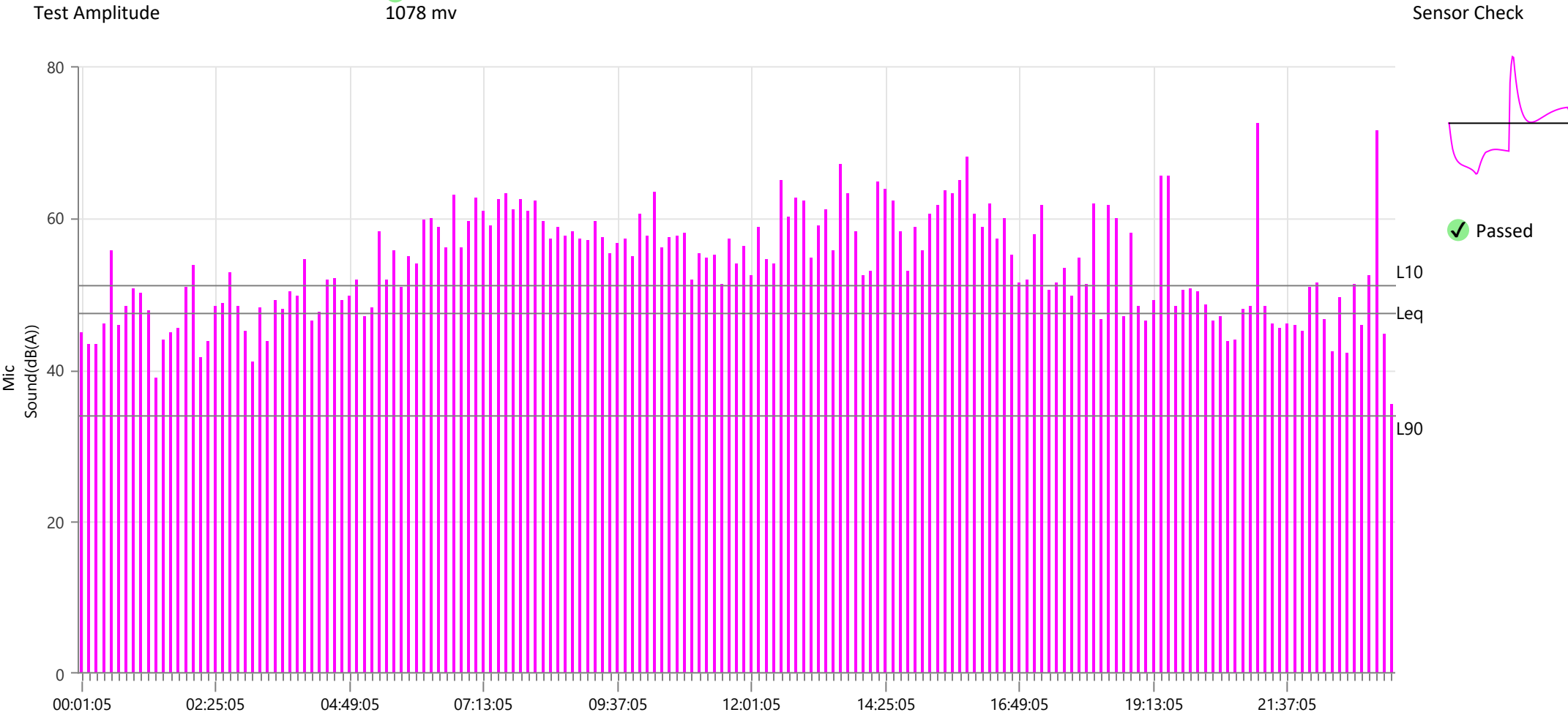
Start February 25, 2025 00:00:05
Finish February 25, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM19907
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 23, 2024 by Instantel
Microphone Calibration UA10154, March 2, 2023 by Instantel
Event File Name UM19907_20250225000005.IDFH
USB Sensor Support Disabled

Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538
Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 72.4 dB(A)
Date Feb 25, 2025
Time 21:10:05
A-Weight Slow
LMin 31.2 L10 51 L90 34 Leq 47.4
Sensor Check ✓ Passed
Test Amplitude 1078 mv





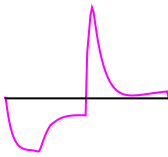
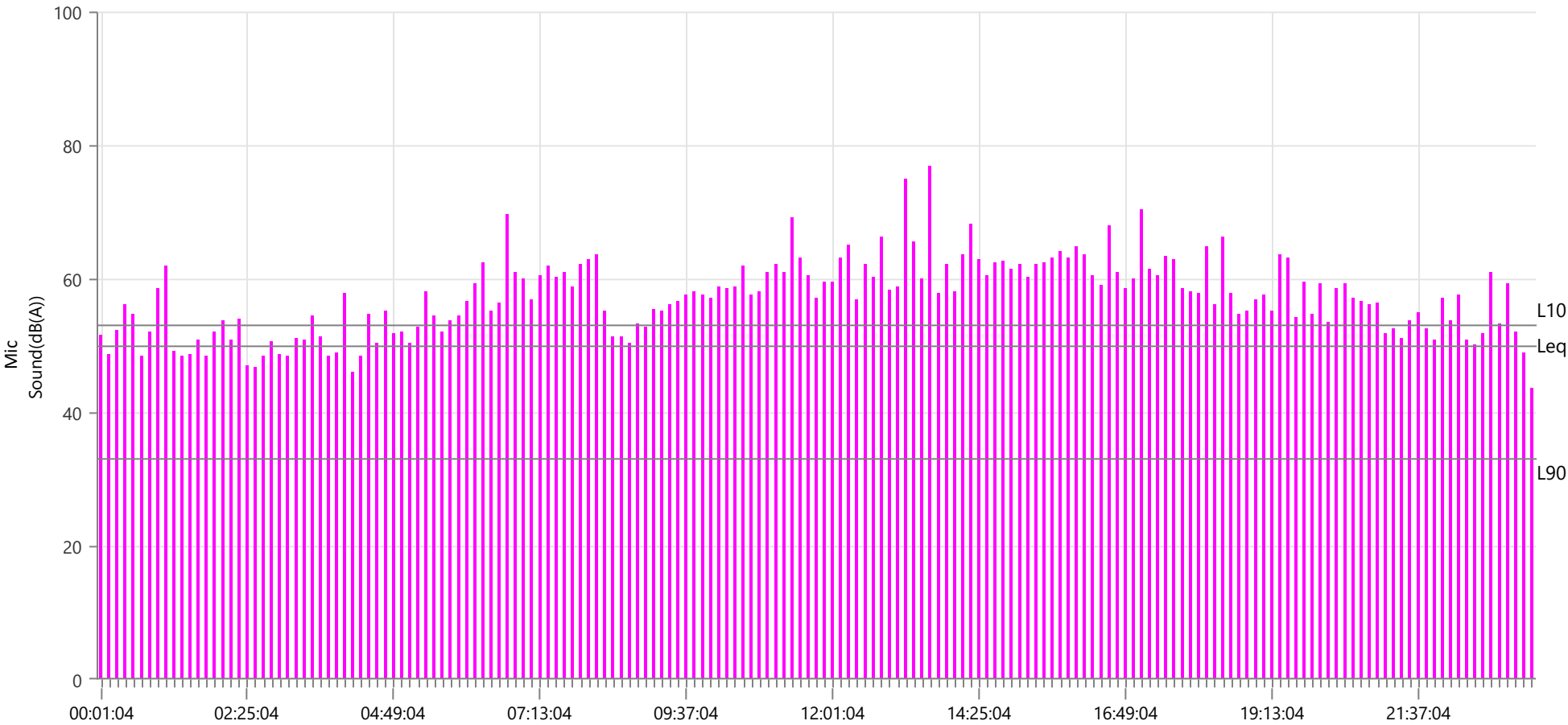
Start February 25, 2025 00:00:04
Finish February 25, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

Serial Number UM8048
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Microphone Calibration UA10761, July 29, 2022 by Instantel
Event File Name UM8048_20250225000004.IDFH
USB Sensor Support Disabled

Notes
Location Noise 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.490958 W98.213495
Post Event Notes No text to be displayed.

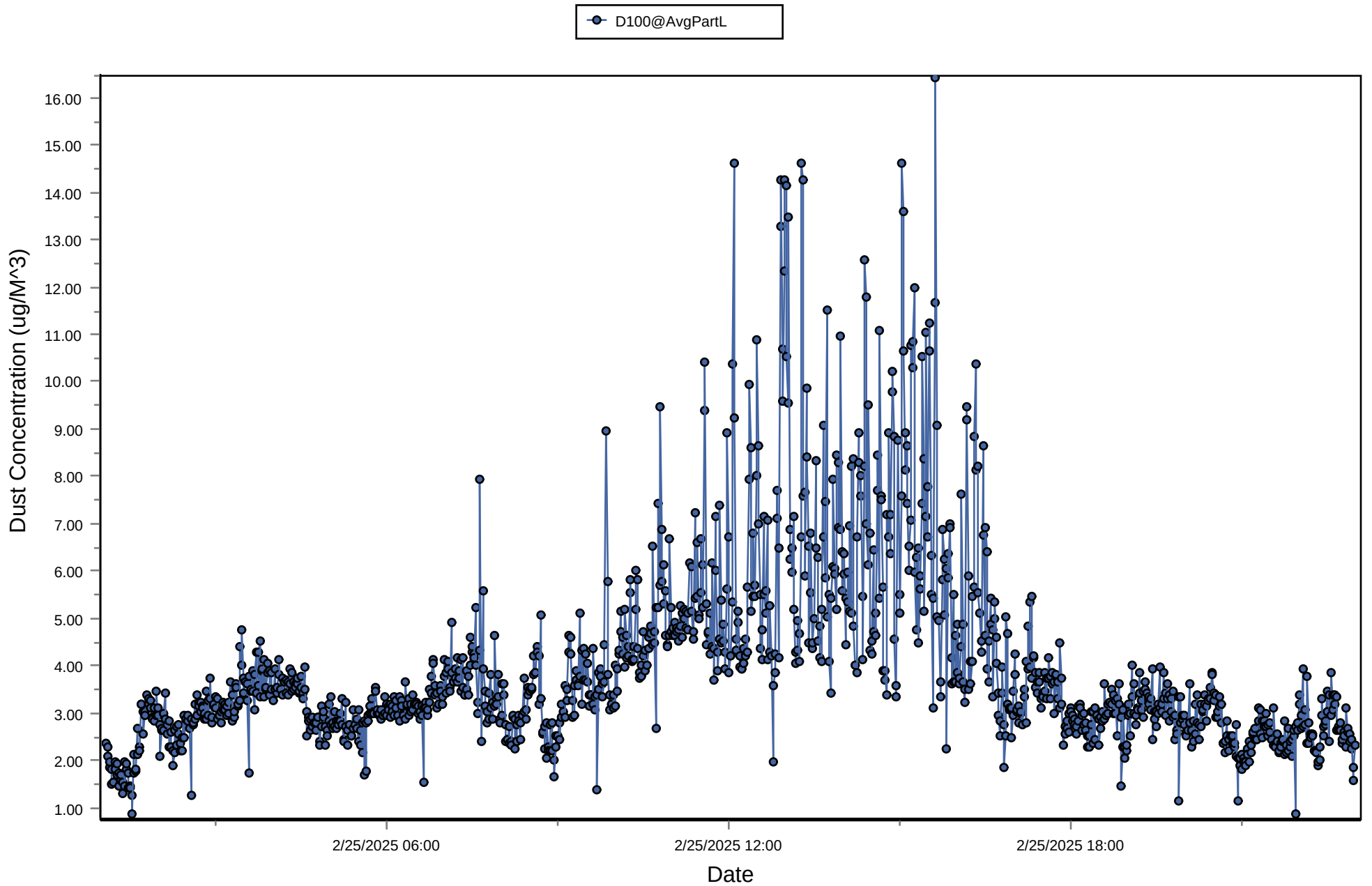
Sound Level Microphone
LMax 77.0 dB(A)
Date Feb 25, 2025
Time 13:40:04
LMin 30.4 L10 53 L90 33 Leq 49.9
Sensor Check Passed
Test Amplitude 1115 mv



Passed

Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

